

# PROGRAM : 1

The screenshot shows the CodingBat Java Warmup-1 delDel problem. The problem description is: "Given a string, if the string 'del' appears starting at index 1, return a string where that 'del' has been deleted. Otherwise, return the string unchanged." The provided code is: 

```
delDel("adefbc") -> "abc"
delDel("adelhello") -> "anello"
delDel("adelbc") -> "adelbc"
```

 The code in the editor is: 

```
public String delDel(String str) {
    if (str.length() > 4 && str.substring(1, 4).equals("del")) {
        return str.substring(0, 1) + str.substring(4);
    }
    return str;
}
```

 The test cases table shows 14 cases, all of which passed. A green checkmark and "All Correct" message are displayed. The bottom status bar shows the date as 9/9/2021.

Expected	Run
delDel("adefbc") -> "abc"	OK
delDel("adelhello") -> "anello"	OK
delDel("adelbc") -> "adelbc"	OK
delDel("abdel") -> "abdel"	OK
delDel("add") -> "add"	OK
delDel("ad") -> "ad"	OK
delDel("a") -> "a"	OK
delDel("") -> ""	OK
delDel("del") -> "del"	OK
delDel("adel") -> "a"	OK
delDel("adelb") -> "adelb"	OK

# PROGRAM : 2

The screenshot shows the CodingBat Java Warmup-1 mixStart problem. The problem description is: "Return true if the given string begins with 'mix', except the 'm' can be anything, so 'pix', '9ix' .. all count." The provided code is: 

```
mixStart("mix snacks") -> true
mixStart("pix snacks") -> true
mixStart("9ix snacks") -> false
```

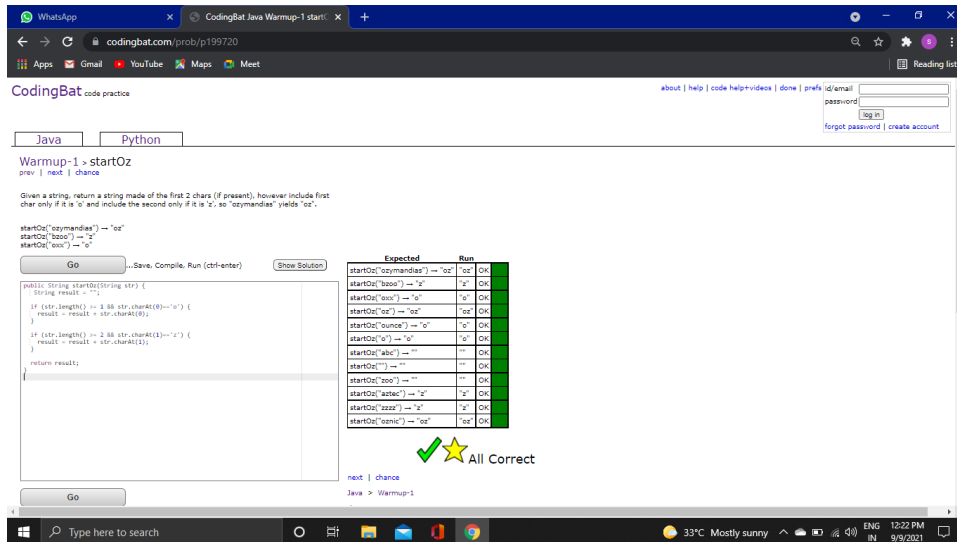
 The code in the editor is: 

```
public boolean mixStart(String str) {
    if (str.length() > 3) return false;
    String two = str.substring(1, 3);
    if (two.equals("ix")) {
        return true;
    }
    return false;
}
```

 The test cases table shows 8 cases, all of which passed. A green checkmark and "All Correct" message are displayed. The bottom status bar shows the date as 9/9/2021.

Expected	Run
mixStart("mix snacks") -> true	OK
mixStart("pix snacks") -> true	OK
mixStart("9ix snacks") -> false	OK
mixStart("mix") -> true	OK
mixStart("9ix") -> false	OK
mixStart("a") -> false	OK
mixStart("") -> false	OK
mixStart(" ") -> false	OK

## PROGRAM : 3



The screenshot shows the CodingBat website interface for the 'startOz' problem. The problem description states: 'Given a string, return a string made of the first 2 chars (if present), however include first char only if it is 'o' and include the second only if it is 'z', so 'oeymandas' yields 'oz'.' The user has written a Java solution in the editor. To the right, a table shows the 'Expected' and 'Run' results for various test cases, all of which are 'OK'. A green checkmark and the text 'All Correct' are displayed below the table.

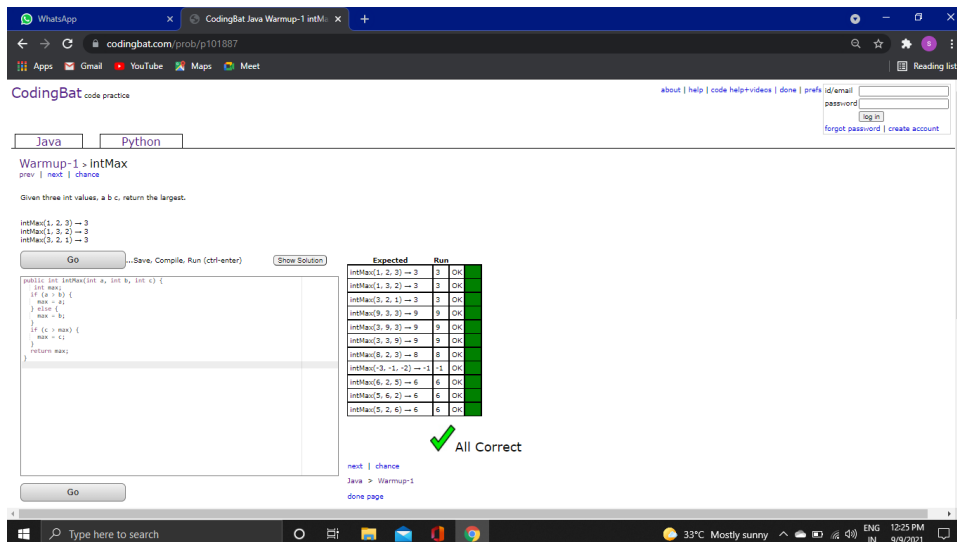
startOz("oeymandas") == "oz"  
startOz("basz") == "z"  
startOz("ooz") == "o"

Expected Run

Expected	Run
startOz("oeymandas") == "oz"	OK
startOz("basz") == "z"	OK
startOz("ooz") == "o"	OK
startOz("oz") == "oz"	OK
startOz("ounce") == "o"	OK
startOz("o") == "o"	OK
startOz("abc") == ""	OK
startOz("") == ""	OK
startOz("ooz") == ""	OK
startOz("azac") == "a"	OK
startOz("zaaz") == "z"	OK
startOz("omic") == "o"	OK

All Correct

## PROGRAM : 4



The screenshot shows the CodingBat website interface for the 'intMax' problem. The problem description states: 'Given three int values, a b c, return the largest.' The user has written a Java solution in the editor. To the right, a table shows the 'Expected' and 'Run' results for various test cases, all of which are 'OK'. A green checkmark and the text 'All Correct' are displayed below the table.

intMax(1, 2, 3) == 3  
intMax(1, 2, 2) == 2  
intMax(3, 2, 1) == 3

Expected Run

Expected	Run
intMax(1, 2, 3) == 3	OK
intMax(1, 2, 2) == 2	OK
intMax(3, 2, 1) == 3	OK
intMax(9, 3, 2) == 9	OK
intMax(2, 9, 2) == 9	OK
intMax(3, 9, 9) == 9	OK
intMax(8, 2, 3) == 8	OK
intMax(-3, -1, -2) == -1	OK
intMax(6, 2, 5) == 6	OK
intMax(5, 6, 2) == 6	OK
intMax(5, 2, 6) == 6	OK

All Correct

# PROGRAM : 5

WhatsApp CodingBat Java Warmup-1 close

codingbat.com/prob/p172021

CodingBat code practice

about | help | code help+videos | done | prefs | id/email | password | log in | forgot password | create account

Java Python

Warmup-1 > close10

prev | next | chance

Given 2 int values, return whichever value is nearest to the value 10, or return 0 in the event of a tie. Note that Math.abs(n) returns the absolute value of a number.

close10(8, 13) → 8  
close10(13, 8) → 8  
close10(13, 7) → 0

Go Save, Compile, Run (ctrl+enter) Show Solution

```
public int close10(int a, int b) {  
    int diff1 = Math.abs(a - 10);  
    int diff2 = Math.abs(b - 10);  
    if (diff1 < diff2) {  
        return a;  
    }  
    if (diff1 > diff2) {  
        return b;  
    }  
    return 0; // i.e., diff1 == diff2  
}
```

Expected	Run
close10(8, 13) → 8	OK
close10(13, 8) → 8	OK
close10(13, 7) → 0	OK
close10(7, 13) → 0	OK
close10(9, 13) → 9	OK
close10(13, 9) → 9	OK
close10(10, 12) → 10	OK
close10(12, 10) → 10	OK
close10(5, 21) → 5	OK
close10(0, 20) → 0	OK
close10(10, 10) → 0	OK

✓ All Correct

next | chance

Java > Warmup-1

done page

Type here to search 33°C Mostly sunny 12:25 PM 9/9/2021

# PROGRAM : 6

WhatsApp CodingBat Java Warmup-1 in30

codingbat.com/prob/p132134

CodingBat code practice

about | help | code help+videos | done | prefs | id/email | password | log in | forgot password | create account

Java Python

Warmup-1 > in3050

prev | next | chance

Given 2 int values, return true if they are both in the range 30..40 inclusive, or they are both in the range 40..50 inclusive.

in3050(30, 31) → true  
in3050(30, 41) → false  
in3050(40, 50) → true

Go Save, Compile, Run (ctrl+enter) Show Solution

```
public boolean in3050(int a, int b) {  
    if (a >= 30 && a <= 40 && b >= 30 && b <= 40) {  
        return true;  
    }  
    if (a >= 40 && a <= 50 && b >= 40 && b <= 50) {  
        return true;  
    }  
    return false;  
}
```

Expected	Run
in3050(30, 31) → true	OK
in3050(30, 41) → false	OK
in3050(40, 50) → true	OK
in3050(40, 51) → false	OK
in3050(39, 50) → false	OK
in3050(50, 39) → false	OK
in3050(40, 39) → true	OK
in3050(49, 48) → true	OK
in3050(50, 40) → true	OK
in3050(50, 51) → false	OK
in3050(35, 36) → true	OK
in3050(35, 45) → false	OK

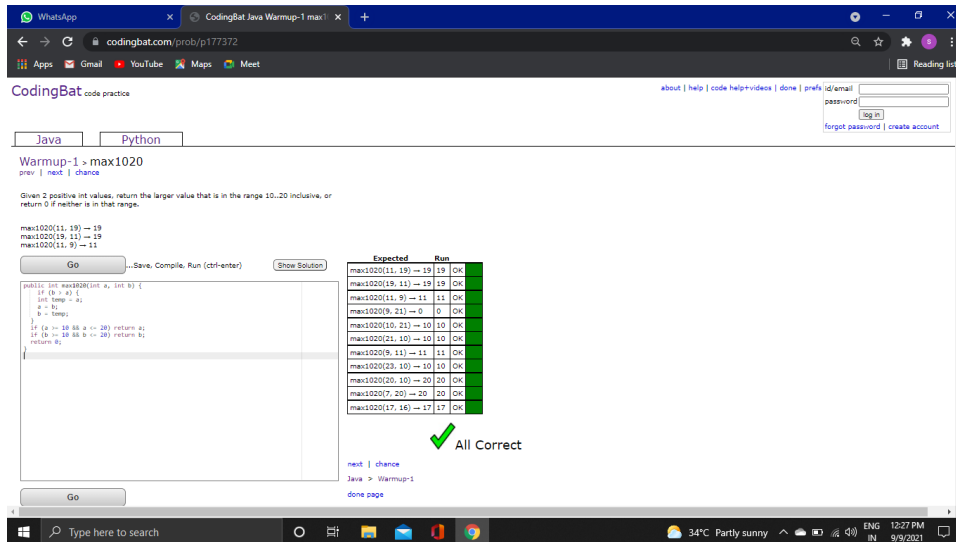
✓ All Correct

next | chance

Java > Warmup-1

Type here to search 33°C Mostly sunny 12:26 PM 9/9/2021

# PROGRAM : 7



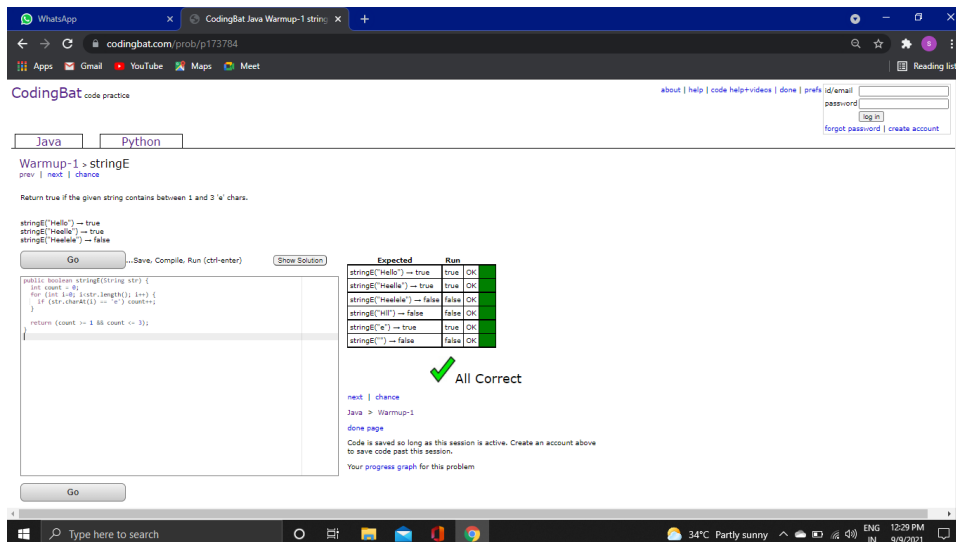
The screenshot shows the CodingBat website interface for the Java Warmup-1 problem 'max1020'. The problem description states: 'Given 2 positive int values, return the larger value that is in the range 10..20 inclusive, or return 0 if neither is in that range.' Examples provided are: max1020(11, 19) → 19, max1020(19, 11) → 19, and max1020(11, 9) → 11. The user has written a Java solution in the code editor. To the right, a table shows test cases with 'Expected' and 'Run' results, all marked as 'OK'. A green checkmark and 'All Correct' message are displayed below the table. Navigation links for 'prev', 'next', and 'chance' are visible.

max1020(11, 19) → 19  
max1020(19, 11) → 19  
max1020(11, 9) → 11

Expected	Run
max1020(11, 19) → 19	OK
max1020(19, 11) → 19	OK
max1020(11, 9) → 11	OK
max1020(9, 21) → 0	OK
max1020(10, 21) → 10	OK
max1020(21, 10) → 10	OK
max1020(9, 11) → 11	OK
max1020(20, 10) → 10	OK
max1020(20, 10) → 20	OK
max1020(7, 20) → 20	OK
max1020(17, 16) → 17	OK

All Correct

# PROGRAM : 8



The screenshot shows the CodingBat website interface for the Java Warmup-1 problem 'stringE'. The problem description states: 'Return true if the given string contains between 1 and 3 'e' chars.' Examples provided are: stringE("Hello") → true, stringE("Heelle") → true, and stringE("Heelele") → false. The user has written a Java solution in the code editor. To the right, a table shows test cases with 'Expected' and 'Run' results, all marked as 'OK'. A green checkmark and 'All Correct' message are displayed below the table. Navigation links for 'prev', 'next', and 'chance' are visible.

stringE("Hello") → true  
stringE("Heelle") → true  
stringE("Heelele") → false

Expected	Run
stringE("Hello") → true	OK
stringE("Heelle") → true	OK
stringE("Heelele") → false	OK
stringE("Hll") → false	OK
stringE("e") → true	OK
stringE("") → false	OK

All Correct